BLUE ROCK ENVIRONMENTAL, INC.

Mr. Bob Stone Environmental Health Specialist Humboldt County Division of Environmental Health 100 H Street, Suite 100 Eureka, CA, 95501 January 19, 2005

Re:

First Quarter 2005 Groundwater Monitoring Report

Indianola Market 7769 Myrtle Avenue Eureka, CA Project No. NC-18 LOP # 12690



Dear Mr. Stone,

This report presents the results of the First Quarter 2005 groundwater monitoring activities at 7769 Myrtle, Eureka, Humboldt County, California (site) (Figure 1), and was prepared for Mr. And Mrs. Cecil Alto by Blue Rock Environmental, Inc. (Blue Rock).

Background

Site Description

The subject site is located near the northern boundary of the City of Eureka in Humboldt County approximately 800 feet north of the intersection of Indianola Cutoff and Myrtle Avenue in a combined commercial/residential area of Eureka at approximately 25 feet above mean sea level (Figure 1). The site is located in the southern portion of a 5-acre parcel of land containing two residences, the Indianola Market, and The Alto Brothers Trucking equipment maintenance/storage yard and office.

Site History

The Indianola Market contained two 550-gallon capacity gasoline underground storage tanks (UST) and one 550-gallon capacity diesel UST (Figure 2). The UST system, consisting of one 550-gallon gasoline and one 550-gallon diesel UST was constructed in 1953. At some time during the 1960's, the diesel UST was abandoned in-place and an additional 550-gallon gasoline UST was installed. The UST system was operated until September 1998, when the three USTs were closed by removal. The UST system was replaced by a single 1000-gallon capacity aboveground gasoline storage tank, which is currently located on a concrete pad directly above the former UST excavation.

In September 1998, Christens NCI, Inc. (NCI), of Eureka, California, decommissioned and removed three USTs from the site along with associated piping, dispensers, and the dispenser

island. This work was observed by the HCDEH and at the direction of the HCDEH inspector, approximately 50 to 75 cubic yards of obviously impacted soil was excavated and stockpiled at the site pending disposal. During UST removal activities, petroleum hydrocarbon stained soils were observed and groundwater entering the excavation exhibited a sheen accompanied by hydrocarbon odors. This confirmed that an unauthorized release of petroleum had occurred. On September 29, 1998, an unauthorized release report was filed by Mr. Jerry Avila, operator of the UST system at that time. After completion of UST removal and soil excavation operations, NCI personnel collected confirmation soil and groundwater samples from the excavation at locations specified by the HCDEH. Results of soil and groundwater sampling confirmed that an unauthorized release of petroleum had occurred.

Site Investigation and Corrective Action History

On October 1, 2001, Clearwater Group (Clearwater) supervised Fisch Environmental of Valley Springs, California drill five direct push borings to preliminarily investigate the onsite extent of soil and groundwater contamination resulting from the confirmed release from the former UST system. Results for this investigation and the locations of the proposed monitoring wells were presented in Clearwater's *Preliminary Subsurface Investigation Report* dated October 22, 2001. In a letter dated October 26, 2001, the HCDEH concurred with Clearwater recommendations for monitoring well locations.

On November 7, 2001, Clearwater supervised Mitchell Drilling Environmental (MDE) in installing three monitoring wells: MW-1, MW-2 and MW-3 (Figure 2). These monitoring wells were placed in locations to assess the sorbed and dissolved-phase hydrocarbon contamination associated with the UST release. Results of this investigation are presented in Clearwater's Monitoring Well Installation and Fourth Quarter 2001 Groundwater Monitoring Report dated December 13, 2001.

On October 10, 2002, Clearwater supervised MDE in drilling two monitoring wells: MW-4 and MW-5 (Figure 2). These monitoring wells were placed in locations to further assess the residual sorbed and dissolved-phase gasoline and diesel range hydrocarbon contamination associated with the UST release. Data collected during this phase of investigation are presented in Clearwater's Monitoring Well Installation and Fourth Quarter 2002 Groundwater Monitoring Report / Sensitive Receptor Survey dated November 18, 2002.

On June 10, 2003, Clearwater supervised MDE in installing four soil borings: B-6 to B-9 (Figure 2). These borings were placed in locations to further assess the residual sorbed and dissolved-phase gasoline and diesel range hydrocarbon contamination associated with the UST release. Data collected during this phase of investigation are presented in Clearwater's *Additional Investigation Report* dated July 8, 2003.

Per HCDEH request in a letter dated July 11, 2003, Clearwater prepared and submitted a Corrective Action Plan (CAP) dated February 18, 2004. The HCDEH responded to the CAP

submitted by Clearwater in a letter dated April 23, 2004 requesting corrections to the existing CAP and a response to questions contained in that letter. In May 2004, Blue Rock was retained by Mr. And Mrs. Alto to continue site work. Blue Rock subsequently submitted a brief letter report dated June 15, 2004 in response to HCDEH requests.

Field and Laboratory Activities

Groundwater Monitoring Activities

On January 4, 2005, five wells (MW-1 through MW-5) were gauged and sampled. Prior to sampling, an electronic water level indicator was used to gauge depth to water in each well, accurate to within ±0.01-foot. All wells were checked for the presence of light non-aqueous phase liquid (LNAPL) petroleum prior to purging. No measurable thicknesses of LNAPL were observed on groundwater in any of the wells. Additionally, groundwater from the domestic well located at 7711 Myrtle Ave. (downgradient of MW-5) was sampled and analyzed.

In preparation for sampling, the wells were purged of groundwater until sampling parameters (temperature, pH, and conductivity) stabilized. Following recovery of water levels to at least 80% of their static levels in the other wells, groundwater samples were collected from the wells using disposable polyethylene bailers and transferred to laboratory supplied containers. Sample containers were labeled, documented on a chain-of-custody form, and placed on ice in a cooler for transport to the project laboratory.

Purging instruments were cleaned between use by an Alconox® wash followed by double rinse in clean tap water to prevent cross-contamination. Purge and rinseate water was stored on-site in labeled 55-gallon drums pending future removal and disposal.

Groundwater monitoring and well purging information is presented on Gauge Data/Purge Calculations and Purge Data sheets (attached).

Groundwater Sample Analyses

Groundwater samples were analyzed by Kiff Analytical (Kiff), a DHS-certified laboratory, located in Davis, California, for the following analytes:

- TPHd by EPA Method 8015 with silica gel cleanup (MW-2 & MW-5)
- TPHg, BTEX and MTBE by EPA Method 8260B

Groundwater Monitoring Results

Groundwater Flow Direction and Gradient

Static groundwater in the wells was present beneath the site at depths ranging from approximately 2.05 (MW-1) to 0.78 (MW-5) feet bgs. Gauging data, combined with well elevation data, were used to calculate groundwater elevation, and to generate a groundwater elevation and gradient map. The groundwater flow direction was primarily calculated to be toward the southwest at a gradient of approximately 0.017 ft/ft (Figure 3). The groundwater gradient and flow direction is consistent with previous measurements.

Groundwater Contaminant Analytical Results

LNAPL: None

TPHg concentration: <50 micrograms per liter (μg/L) (MW-1, 3,4 & 5) to 580 μg/L (MW-2)

TPHd concentration: $<50 \mu g/L \text{ (MW-5) to } < 80 \mu g/L \text{ (MW-2)} \text{ (silica gel cleanup)}$

MTBE concentration: 0.68 μg/L (MW-4) to 580 μg/L (MW-2)

Benzene concentration: $<0.5 \mu g/L \text{ (MW-1, 3, 4, & 5) to } <1.5 \mu g/L \text{ (MW-2)}$

Groundwater sample analytical results are shown graphically on Figures 4 and 5. Cumulative groundwater sample analytical results are summarized in Table 1. Copies of the laboratory report and chain-of-custody form are attached. The domestic well was free of target analytes

Remarks

Groundwater sample analytical results fall within historical concentration range for the site. Silica gel cleanup was used for the TPHd analysis for groundwater samples collected from MW-2 and MW-5. The plume of dissolved-phase hydrocarbons appears stable with no significant migration.

Project Status and Recommendations

- The site is currently being monitored on a quarterly basis per the HCDEH directives. The
 next quarterly sampling event is scheduled for March 2005. Per the HCDEH letter dated
 July 26, 2004 the current analytical suite is as follows: TPHg, BTEX and MTBE by EPA
 Method 8260B (all wells) and TPHd by EPA Method 8015 (MW-2 & MW-5).
- The excavation activities outlined in the Corrective Action Plan dated February 18, 2004 prepared by Clearwater Group and the Response to the HCDEH letter dated April 23, 2004 and Documentation of the June 7, 2004 Meeting with the HCDEH dated June 15, 2004 have been postponed due to the location of a PG&E gas line which runs directly through the center of the proposed excavation. Blue Rock has filed a claim with PG&E so that the gas line in question can be moved out of the excavation area prior to excavation activities occurring.

First Quarter 2005 Indianola Market January 19, 2005 Page 5 of 7

PG&E representatives have stated that this gas line relocation will likely occur in spring 2005. Blue Rock will continue to update the HCDEH regarding when the excavation will occur.

Certification

This report was prepared under the supervision of a California Registered Geologist at Blue Rock. All statements, conclusions, and recommendations are based upon published results from past consultants, field observations by Blue Rock, and analyses performed by a state-certified laboratory as they relate to the time, location, and depth of points sampled by Blue Rock or others. Interpretation of data, including spatial distribution and temporal trends, are based on commonly used geologic and scientific principles. It is possible that interpretations, conclusions, and recommendations presented in this report may change, as additional data become available and/or regulations change.

Information and interpretation presented herein are for the sole use of the client and regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

The service performed by Blue Rock has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

If you have any questions regarding this project, please contact us at (707) 441-1934.

Sincerely, Blue Rock Environmental, Inc.

Prepared by:

Andrew LoCicero Project Scientist Reviewed by:

Brian Gwinn, RG Principal Geologist

Attachments

Table 1: Groundwater Elevations and Analytical Results

Table 2: Well Construction Details

Figure 1: Site Location Map

Figure 2: Site Plan

Figure 3: Groundwater Elevation and Gradient 1/4/05 Figure 4: Dissolved-Phase TPHg Distribution 1/4/05 Figure 5: Dissolved-phase MTBE Distribution 1/4/05

Blue Rock Gauge/Purge Calculations and Well Purging Data field sheets

Laboratory Analytical Report and Chain-of-Custody Form

CC: Beverly and Cecil Alto 7803 Myrtle Avenue Eureka, CA 95503

> Jerry Avila 7769 Myrtle Avenue Eureka, CA 95503

Table 1 GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

Indianola Market 7769 Myrtle Avenue Eureka, California Project No. NC-018

Well	Sampling	TOC	DTW	GWE	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	TAME	ETBE	TBA	Ethanol	Methanol
No.	Date	(feet)	(feet)	(feet)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
					1			=0111									
MW-1	11/20/01	99.99	5.15	94.84	<50	<50	< 0.5	< 0.5	<0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	<5	<5	<50
	2/2/02	99.99	2.58	97.41	<50	<50	< 0.5	< 0.5	<0.5	< 0.5	< 0.5	<0.5	< 0.5	< 0.5	<5	<5	<50
	5/2/02	99.99	2.67	97.32	<50	<50	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	<5	<5	<50
	8/2/02	99.99	5.07	94.92	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	0.99	<0.5	< 0.5	< 0.5	<5		-
	(10/15/2002)	32.22	6.77	25.45	<50	<50	<0.5	< 0.5	< 0.5	< 0.5	0.57	< 0.5	< 0.5	< 0.5	<5		-
	1/13/03	32.22	2.03	30.19	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	0.51	< 0.5	< 0.5	< 0.5	<5	-	
	4/1/03	32.22	1.33	30.89	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<5		
	7/10/03	32.22	4.33	27.89	<50	66	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<5	-	
	10/2/03	32.22	7.07	25.15	<50	110	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<5		
	1/5/04	32.22	3.38	28.84	<50	58	< 0.5	< 0.5	< 0.5	< 0.5	2.9	< 0.5	< 0.5	< 0.5	<5		
	4/6/04	32.22	2.85	29.37	<50	81	< 0.5	< 0.5	<0.5	< 0.5	3.2	<0.5	< 0.5	< 0.5	<5		
	7/1/04	32.22	4.92	27.30	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	3.6	< 0.5	< 0.5	<0.5	<5		
	10/1/04	32.22	7.04	25.18	<50		< 0.5	< 0.5	< 0.5	< 0.5	1.5				-		_
	1/4/05	32.22	2.05	30.17	<50	-	<0.5	< 0.5	< 0.5	< 0.5	1.6	-					-
MW-2	11/20/01	99.15	4.92	94.23	300	<200	<2	<2	<2	<2	1,100	<2	5.3	4	35	<20	<200
	2/2/02	99.15	2.31	96.84	1,400	<500	<5	<5	<5	<5	1,900	<5	5.5	5.4	63	<50	<500
	5/2/02	99.15	2.47	96.68	1,000	<350	3.1	<2.5	<2.5	<2.5	1,200	<2.5	5.8	5.5	33	_	
	8/2/02	99.15	4.77	94.38	650	<400	<5	<5	<5	<5	2,300	<5	12	6.1	71		
	(10/15/2002)	31.33	6.49	24.84	73	<100	< 0.5	< 0.5	< 0.5	< 0.5	310	< 0.5	1.9	0.84	7.7	_	
	1/13/03	31.33	1.97	29.36	1,500	<800	2.6	< 0.2	<0.2	3.2	1,300	<0.2	7.3	4.6	41		
	4/1/03	31.33	2.07	29.26	1,000	<1,100	<2	<2	<2	2.8	940	<2	5.4	3.4	25 1		_
	7/10/03	31.33	4.09	27.24	1,100	<600	<2	<2	<2	<2	1,000	2	5.8	4	25 1	-	_
	10/2/03	31.33	6.80	24.53	1,000	<800	<2.5	<2.5	<2.5	<2.5	1,100	<2.5	7.7	5	32 1		-
	1/5/04	31.33	2.76	28.57	1,300	<1,000	<1.5	<1.5	<1.5	<1.5	740	<1.5	<1.5	4	22		
	4/6/04	31.33	2.58	28.75	280	120	< 0.5	< 0.5	< 0.5	<0.5	120	<0.5	0.72	0.82	<5		
	7/1/04	31.33	4.56	26.77	510	690	<1.5	<1.5	<1.5	<1.5	800	<1.5	7.10	2.4	27		_
	10/1/04	31.33	6.71	24.62	<50	<50 ²	< 0.5	< 0.5	<0.5	<0.5	130						
	1/4/05	31.33	1.85	29.48	580	<80 ²	<1.5	<1.5	<1.5	<1.5	580	_				_	_
MW-3	11/20/01	99.30	3.36	95.94	<50	<50	<0.5	<0.5	<0.5	<0.5	100	<0.5	0.85	<0.5	8.1		-50
	2/2/02	99.30	1.56	97.74	<50	<50	<0.5	<0.5	<0.5	<0.5	2.4	<0.5	<0.5			<5	<50
	5/2/02	99.30	1.67	97.63	<50	<50	<0.5	<0.5	<0.5	<0.5	6	<0.5		<0.5	<5	<5	<50
	8/2/02	99.30	3.37	95.93	<50	<50	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<5	**	
	(10/15/2002)	31.47	5.06	26.41	<50	<50	<0.5	<0.5	<0.5		89	<0.5	0.65	<0.5	5.3		
	1/13/03	31.47	1.44	30.03	<50	56	<0.5	<0.5		<0.5	94	<0.5	0.79	<0.5	<5		-
	4/1/03	31.47	1.37	30.10	51	<50			<0.5	<0.5	340	<0.5	2.1	<0.5	27	**	
	7/10/03	31.47	2.80	28.67	<50	89	<0.5	<0.5	<0.5	<0.5	280	<0.5	2	<0.5	18		-
	//10/03	31.47	2.80	28.07	<30	89	< 0.5	< 0.5	<0.5	< 0.5	89	<0.5	0.84	< 0.5	6.4	-	

Table 1 GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

Indianola Market 7769 Myrtle Avenue Eureka, California Project No. NC-018

Well No.	Sampling Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHg (μg/L)	TPHd (µg/L)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	MTBE (μg/L)	DIPE (μg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (μg/L)	Ethanol (μg/L)	Methanol (μg/L)
MW-3	10/2/03	31.47	5.41	26.06	<50	150	<0.5	<0.5	<0.5	<0.5	110	-0.6	0.71	-0.5			
	1/5/04	31.47	2.46	29.01	<50	<50	<0.5	<0.5	<0.5	<0.5		<0.5	0.71	<0.5	<5		-
	4/6/04	31.47	1.71	29.76	<50	<50	<0.5	<0.5	<0.5		11	<0.5	<0.5	<0.5	<5		-
	7/1/04	31.47	3.16	28.31	<50	<50	<0.5	<0.5		<0.5	0.73	<0.5	< 0.5	<0.5	<5		
	10/1/04	31.47	5.26	26.21	<50		<0.5		<0.5	<0.5	80	<0.5	<0.5	< 0.5	<5		-
	1/4/05	31.47	1.43	30.04	100000		19931	<0.5	<0.5	<0.5	61	-			-		
	174003	31.47	1.43	30.04	<50	-	<0.5	<0.5	<0.5	<0.5	9	-	-	-	-	-	
MW-4	10/15/02	32.74	4.99	27.75	<50	<50	<0.5	< 0.5	< 0.5	<0.5	4.1	< 0.5	<0.5	<0.5	<5		_
	1/13/03	32.74	1.41	31.33	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	0.92	<0.5	< 0.5	< 0.5	<5		
	4/1/03	32.74	1.45	31.29	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	0.70	< 0.5	<0.5	<0.5	<5		
	7/10/03	32.74	2.82	29.92	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	7.9	<0.5	<0.5	<0.5	<5		_
	10/2/03	32.74	5.32	27.42	<50	99	< 0.5	< 0.5	<0.5	< 0.5	6.9	<0.5	<0.5	<0.5	<5		_
	1/5/04	32.74	2.60	30.14	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	<0.5	<0.5	<5		_
	4/6/04	32.74	1.88	30.86	<50	<50	< 0.5	< 0.5	<0.5	<0.5	< 0.5	<0.5	<0.5	<0.5	<5	_	_
	7/1/04	32.74	3.19	29.55	<50	<50	< 0.5	< 0.5	<0.5	<0.5	17	<0.5	<0.5	<0.5	<5	_	-
	10/1/04	32.74	5.16	27.58	<50		< 0.5	< 0.5	<0.5	<0.5	6.3					-	-
	1/4/05	32.74	1.52	31.22	<50		<0.5	<0.5	<0.5	<0.5	0.68	_	_	_	_	_	
MW-5	10/15/02	29.71	7.11	22.60	<50	<50	<0.5	<0.5	<0.5	<0.5	32	<0.5	<0.5	<0.5			
	1/13/03	29.71	0.66	29.05	<50	<50	<0.5	<0.5	<0.5	<0.5	31	<0.5			<5	-	
	4/1/03	29.71	1.75	27.96	<50	<50	<0.5	<0.5	<0.5	<0.5	35	<0.5	<0.5	<0.5	<5		-
	7/10/03	29.71	4.60	25.11	<50	<50	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<5	-	-
	10/2/03	29.71	7.45	22.26	<50	<50	<0.5	<0.5	<0.5		20	<0.5	<0.5	<0.5	<5		-
	1/5/04	29.71	2.31	27.40	<50	85	<0.5	<0.5	<0.5	<0.5	9	<0.5	<0.5	<0.5	<5		
	4/6/04	29.71	2.53	27.18	<50	68	<0.5			<0.5	29	<0.5	<0.5	<0.5	<5		-
	7/1/04	29.71	4.95	24.76	86	86		<0.5	<0.5	<0.5	38	<0.5	<0.5	<0.5	<5	-	-
	10/1/04	29.71	7.26	22.45	<50	<50 ²	<0.5	<0.5	<0.5	<0.5	170	<0.5	1.4	0.97	17		
	1/4/05	29.71	0.78	28.93	<50	<50 ²	<0.5	< 0.5	<0.5	<0.5	2						-
	114/03	29.71	0.76	20.93	<30	\30	<0.5	<0.5	<0.5	< 0.5	5.3	-					

Table 1 GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS

Indianola Market 7769 Myrtle Avenue Eureka, California Project No. NC-018

Well No.	Sampling Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHg (μg/L)	TPHd (μg/L)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (μg/L)	MTBE (µg/L)	DIPE (μg/L)	TAME (µg/L)	ETBE (µg/L)	TBA (μg/L)	Ethanol (μg/L)	Methanol (µg/L)
Dom - I	4/1/03	(Domestic we	ell located at 77	11 Myrtle Ave.)	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	-	-
	1/4/05	1		1	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-			-
				MCL			1	150	700	1,750	5						
			Taste & od	lor threshold	5	100		42	29	17	5						
		N(CRWQCB c	leanup goals	<50	56	0.50	42	29	17	5						

Notes:

TOC: Top of casing referenced to mean sea level (4.33 NAVD 88 (NGS LV 0638) SS rod E1401 1988

Sample date in parentheses indates new wellhead survey per Geotracker

DTW: Depth to water as referenced to benchmark.

GWE: Ground water elevation as referenced to benchmark

μg/L=micrograms per liter

"--": Not analyzed, available, or applicable

MCL: Maximum contaminant level, an enforceable drinking water standard

Taste & odor threshold: A drinking water standard

1. Tert Butanol results may be biased high (see case narative in laboratory report)

2. TPHd analysis performed using silica gel cleanup

TPHg: Total Petroleum Hydrocarbons as Gasoline by Method 5030/8260B TPHd: Total Petroleum Hydrocarbons as Diesel by Method 3510/8015M

MTBE: Methyl Tertiary Butyl Ether by Method 8260B

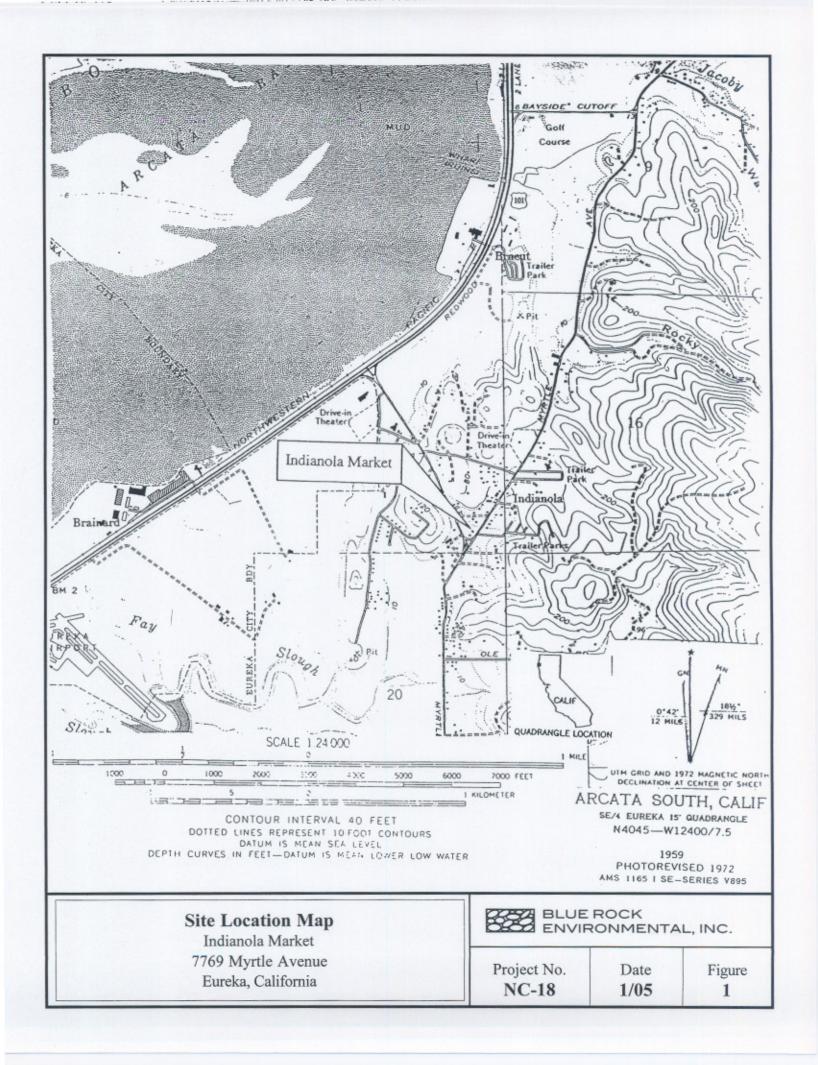
DIPE: Di-Isopropyl Ether by Method 8260B

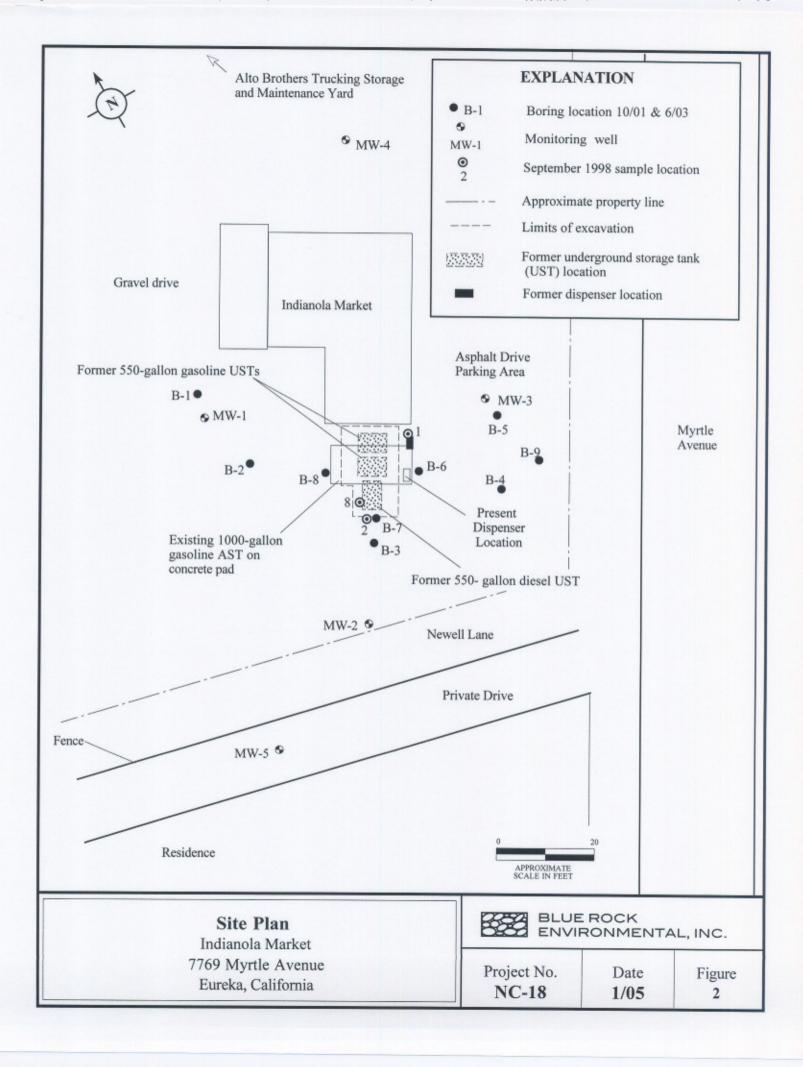
TAME: Tertiary Amyl Methyl Ether by method 8260B ETBE: Ethyl Tertiary Butyl Ether by Method 8260B TBA: Tertiary Butyl Alcohol by Method 8260B NCWQCB: North Coast Water Quality Control Board

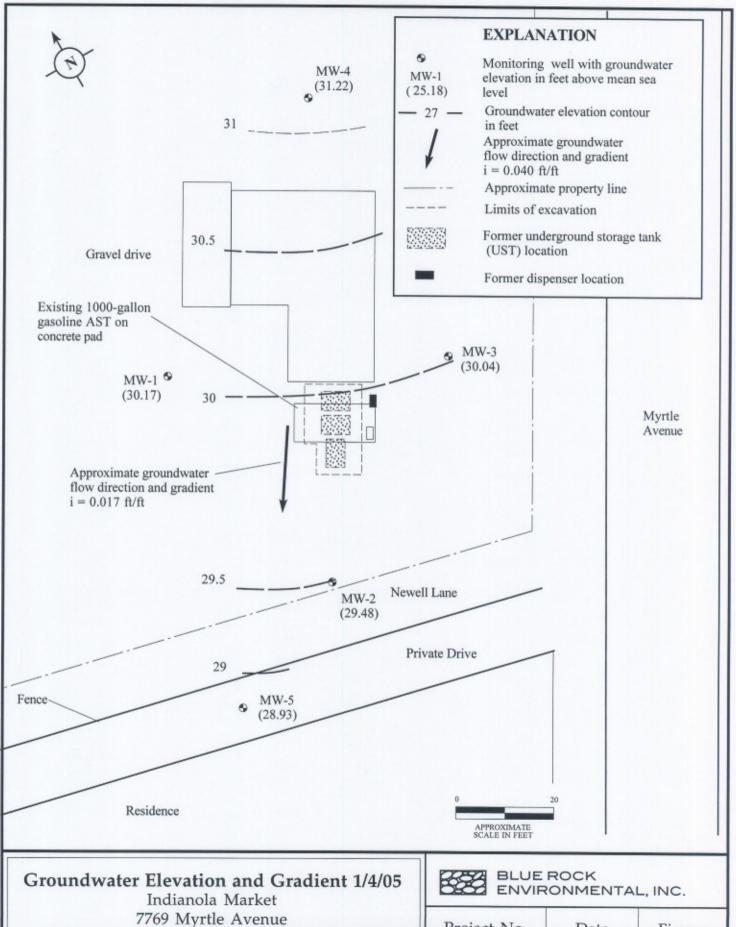
Table 2
Well Construction Details
Indianola Market

Indianola Market 7769 Myrtle Avenue Eureka, CA Project # NC-18

Well Identification	Date Intstalled	Intstalled by	Casing Diameter	Total Depth	Blank Interval	Screened Interval	Slot Size	Filter Pack	Bentonite Seal	Cement
			(inches)	(feet)	(feet)	(feet)	(inches)	(feet)	(feet)	(feet)
MW-1	10/10/01	Clearwater	2	20	0-3	3-20	0.02	2-20	1-2	0-1
MW-2	10/10/01	Clearwater	2	20	0-3	3-20	0.02	2-20	1-2	0-1
MW-3	10/10/01	Clearwater	2	20	0-3	3-20	0.02	2-20	1-2	0-1
MW-4	11/7/02	Clearwater	2	20	0-3	3-20	0.02	2-20	1-2	0-1
MW-5	11/7/02	Clearwater	2	20	0-3	5-20	0.02	2-20	1-2	0-1

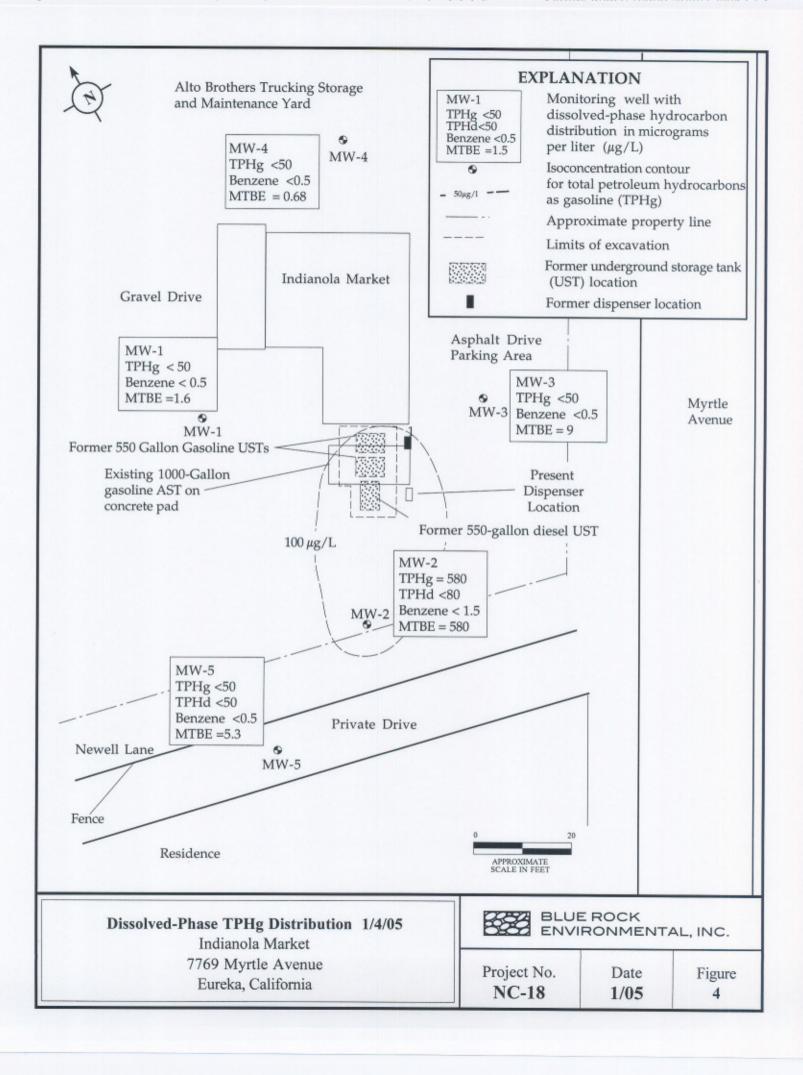


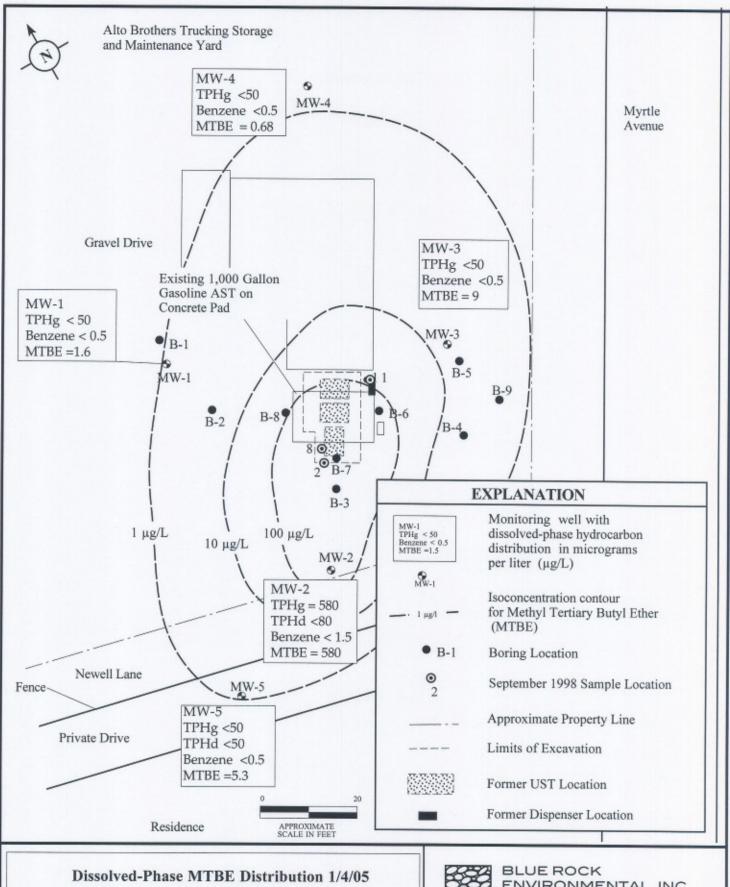




Eureka, California

Project No. Date Figure NC-18 1/05 3





Indianola Market 7769 Myrtle Avenue Eureka, California



ENVIRONMENTAL, INC.

Date
1/05

Figure 5

GAUGING DATA/PURGE CALCULATIONS

ob No.: [NC-18	Location:	1167 M	yrthe 1	Enh	eka	105	Tech(s): M. Richar
WELL NO.	DIA. (in.)	DTB (ft.)	DTW (ft.)	ST (ft.)	CV	PV	SPH (ft.)	NOTES
mw-I	211	16:59	2.06	14.53	2:32	6.91	4	
mw-2		18,07	1.35	16.22	2,60	1.19		
MW-3		17.71	1.43	16.28	2,60	7.81		
mw-4		16.94	1,52	15:42	2.47	7.40		
NW-5	1	19.76	0.18	18,98	304	9,11	V	
	-							
eq.								-
-								2

Explanation:

DIA. = Well Diameter

DTB = Depth to Bottom

DTW = Depth to Water

ST = Saturated Thickness (DTB-DTW)

CV = Casing Volume (ST x cf)

PV = Purge Volume (standard 3 x CV, well development 10 x CV)

SPH = Thickness of Separate Phase Hydrocarbons

Conversion Factors (cf):

2 in. dia. well cf = 0.16 gal./ft.

4 in. dia. well cf = 0.65 gal./ft.

6 in. dia. well cf = 1.44 gal./ft.



					veka	
WELL	TIME	VOLUME	COND.	TEMP.	pH	
No.		(gal.)	(mS/cm)	(deg. F.)		
MW-1		0			-22	Sample for: TPHmo 7-oxygenate
Calc. purge	11:15	K1.00	0:25	56.3	5.34	TPHg TPHd 8260
volume	1039	3350	0.22	56.6	5.11	BTEX MTBE 9 5-oxygenate
6.97	11:55	197	0:21	56.7	5.08	Purging Method:
	7	20				PVC bailer / Pump/Qisposable Bailer
	COMMENT	S: color, turb	idity, recharg	ge, sheen, odo		Sampling Method:
	Charton	swal mod		charge!	Mun 1	Montedicated / Disposable bailer
	,	0		0	,	Sample at: 12:00
WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH	
100000		1	(IIII)	(dog. 1.)		
MW2		3 0				Sample for: TPHmo 7-oxygenate
Calc. purge	12:15	21.00	0:32	55.5	5,97	TPHg TPHd 8260
volume	12:35	€3.90	0.33	55k	6:08	RTEX MTBE 5-oxygenates
1.19	12165	27.19	0.33	56.8	6.07	Purging Method:
						PVC bailer/Pump/Disposable Baller
1	COMMENT	S: color, turb	idity, rechard	ze. sheen. odo	or.	Sampling Method:
4	deart		Post	Ivvo	ittace	Samping Mountain
	light b	rown	echang	el sheen	y odar	Dedicated 7 Disposable bailer
WELL	TIME	VOLUME	COND.	TEMP.	pH	Sample at: 13:00
No.		(gal.)	(mS/cm)	(deg. F.)		
MW-3		0				Sample for: TPHmo 7-oxygenate
Calc. purge	9'.15	4,00	031	55.4	5.81	TPHg TPHd \$260
volume	9:35	₹3,90	0:26	58.8	5.58	BTEX MTBE 5-oxygenates
1.81	9:55	27.81	0.24	6016	5.48	Purging Method:
						PVC bailer/Pump/Disposable Barler
	COM (F) (F)	CC. soles to 1	idie	a abarra 1		
	COMMEN	rs: color, turb		The state of the s		Sampling Method:

		,	2	uveka		
TIME	VOLUME	COND.	TEMP.	pН		
	(gal.)	(mS/cm)	(deg. F.)			
	0				Sample for: TPHmo 7-oxygenate	
10:15	41.00	0.38	59.7	5,52	TPHg TPHd (260)	
10:35	\$3.70	0.37	ao	5.48	MTBE 5-oxygenate	
10:55	€7.40	0.31	61,0	5,47	Purging Method:	
					PVC bailer / Pump/Disposable Bailer	
COMMENT	S: color, turb				Sampling Method:	
		1 1			Dedicated / Disposable bailer	
TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pН	Sample at: [1:00	
	0	No feet see			Sample for: TPHmo 7-oxygenat	
13:15	4,00	0.10	51.8	5,61	TPHE TPHE 8260	
13:35	~4150	0.10	53.3	5.10	BTEX) MTBE 5-oxygenate	
13:55	29.11	0.08	53.3	9,04	Purging Method:	
					PVC bailer/Pump/Nusposable Baile	
Clearto	1 ion					
Light br	thin imag	turb re	Charge 15	hain ode		
TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pН	Sample at: 14:00	
	0				Sample for: TPHmo 7-oxygenate	
					TPHg TPHd 8260	
					BTEX MTBE 5-oxygenate	
					Purging Method:	
					PVC bailer/Pump/Disposable Bailer	
	MARKET TESTINON		Sampling Method:			
COMMENT	S: color, turb	idity, recharg	ge, sheen, odo	r	Sampling Method:	
	10:15 10:35 10:35 10:55 COMMENT Unght b	(gal.) 10:15	(gal.) (mS/cm) 0 10:15	TIME VOLUME (Gal.) (mS/cm) (deg. F.) 10:15	TIME VOLUME COND. TEMP. pH (gal.) (mS/cm) (deg. F.) 10:15	



Date: 1/12/2005

Andrew LoCicero Blue Rock Environmental, Inc. 535 3rd Street, Suite 100 Eureka, CA 95501

Subject : 6 Water Samples Project Name : Indianola Market Project Number : NC-18

Dear Mr. LoCicero,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Date: 1/12/2005

Subject: Project Name : 6 Water Samples Indianola Market

Project Number: NC-18

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for sample MW-2.

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By: Jde Kiff



Project Name: Indianola Market

Project Number: NC-18

Report Number: 41830 Date: 1/12/2005

Lab Number: 41830-01

Sample Date :1/4/2005

Sample: MW-1

Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
1.6	0.50	ug/L	EPA 8260B	1/6/2005
< 50	50	ug/L	EPA 8260B	1/6/2005
99.7		% Recovery	EPA 8260B	1/6/2005
118		% Recovery	EPA 8260B	1/6/2005
	Value < 0.50 < 0.50 < 0.50 < 0.50 < 0.50 1.6 < 50	Measured Value Reporting Limit < 0.50	Measured Value Reporting Limit Units < 0.50	Measured Value Reporting Limit Units Analysis Method < 0.50

Matrix: Water

Sample: MW-2 Matrix: Water Lab Number: 41830-02

Sample Date :1/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 1.5	1.5	ug/L	EPA 8260B	1/7/2005
Toluene	< 1.5	1.5	ug/L	EPA 8260B	1/7/2005
Ethylbenzene	< 1.5	1.5	ug/L	EPA 8260B	1/7/2005
Total Xylenes	< 1.5	1.5	ug/L	EPA 8260B	1/7/2005
Methyl-t-butyl ether (MTBE)	580	1.5	ug/L	EPA 8260B	1/7/2005
TPH as Gasoline	580	200	ug/L	EPA 8260B	1/7/2005
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	1/7/2005
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	1/7/2005
TPH as Diesel (Silica Gel)	< 80	80	ug/L	M EPA 8015	1/11/2005

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

del Kiff



Project Name: Indianola Market

Project Number: NC-18

Matrix: Water

Lab Number: 41830-03

Report Number: 41830 Date: 1/12/2005

Sample Date :1/4/2005

Sample: MW-3

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Methyl-t-butyl ether (MTBE)	9.0	0.50	ug/L	EPA 8260B	1/6/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/6/2005
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	1/6/2005
4-Bromofluorobenzene (Surr)	118		% Recovery	EPA 8260B	1/6/2005

Sample: MW-4

4 Matrix : Water

Lab Number: 41830-04

Sample Date :1/4/2005

Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Methyl-t-butyl ether (MTBE)	0.68	0.50	ug/L	EPA 8260B	1/6/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/6/2005
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	1/6/2005
4-Bromofluorobenzene (Surr)	115		% Recovery	EPA 8260B	1/6/2005

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Joel Kiff



Project Name: Indianola Market

Project Number: NC-18

Matrix : Water

Lab Number : 41830-05

Report Number: 41830 Date: 1/12/2005

Sample Date :1/4/2005

Sample: MW-5

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Methyl-t-butyl ether (MTBE)	5.3	0.50	ug/L	EPA 8260B	1/6/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/6/2005
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	1/6/2005
4-Bromofluorobenzene (Surr)	114		% Recovery	EPA 8260B	1/6/2005
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	1/12/2005

Sample : DOM-1

Matrix: Water

Lab Number: 41830-06

Sample Date :1/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/7/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/7/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/7/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/7/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/7/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/7/2005
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	1/7/2005
4-Bromofluorobenzene (Surr)	94.7		% Recovery	EPA 8260B	1/7/2005

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Joel Kiff

Date: 1/12/2005

QC Report : Method Blank Data

Project Name: Indianola Market

Project Number: NC-18

Parameter	Measured Value	Method Reportin Limit		Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	1/7/2005
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	1/12/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/6/2005
Toluene - dB (Surr)	97.5		%	EPA 8260B	1/6/2005
4-Bromofluorobenzene (Surr)	95.7		%	EPA 8260B	1/8/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/5/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/5/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/5/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/5/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/5/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/5/2005
Toluene - d8 (Surr)	98.9		%	EPA 8260B	1/5/2005
4-Bromofluorobenzene (Surr)	117		%	EPA 8260B	1/5/2005

Parameter	Measured Value	Method Reporti Limit		Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/6/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/6/2005
Toluene - d8 (Surr)	102		%	EPA 8260B	1/6/2005
4-Bromofluorobenzene (Surr)	96.9		%	EPA 8260B	1/6/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC 2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Date: 1/12/2005

Project Name: Indianola Market

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Number: NC-18

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	e Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.		Relative		Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	983	969	ug/L	M EPA 8015	1/7/05	98.3	96.9	1.36	70-130	25
TPH as Diesel	Blank	<50	1000	1000	842	879	ug/L	M EPA 8015	1/12/05	84.2	87.9	4.32	70-130	25
Benzene	41846-01	<0.50	40.0	40.0	41.8	40.5	ug/L	EPA 8260B	1/6/05	104	101	3.04	70-130	25
Toluene	41846-01	< 0.50	40.0	40.0	39.4	39.2	ug/L	EPA 8260B	1/6/05	98.6	97.9	0.718	70-130	25
Tert-Butanol	41846-01	18	200	200	228	227	ug/L	EPA 8260B	1/6/05	105	104	0.575	70-130	25
Methyl-t-Butyl Eth	ner 41846-01	<0.50	40.0	40.0	34.4	33.4	ug/L	EPA 8260B	1/6/05	86.1	83.6	2.96	70-130	25
Benzene	41818-03	<0.50	40.0	40.0	37.9	37.2	ug/L	EPA 8260B	1/5/05	94.8	92.9	1.98	70-130	25
Toluene	41818-03	< 0.50	40.0	40.0	37.9	37.4	ug/L	EPA 8260B	1/5/05	94.8	93.4	1.56	70-130	25
Tert-Butanol	41818-03	<5.0	200	200	194	192	ug/L	EPA 8260B	1/5/05	97.1	95.8	1.35	70-130	25
Methyl-t-Butyl Eth	er 41818-03	7.0	40.0	40.0	47.1	47.5	ug/L	EPA 8260B	1/5/05	100	101	0.991	70-130	25
Benzene	41831-03	<0.50	40.0	40.0	34.5	33.6	ug/L	EPA 8260B	1/6/05	86.3	84.1	2.62	70-130	25
Toluene	41831-03	< 0.50	40.0	40.0	36.0	35.6	ug/L	EPA 8260B	1/6/05	89.9	89.0	1.01	70-130	25
Tert-Butanol	41831-03	<5.0	200	200	176	179	ug/L	EPA 8260B	1/6/05	88.2	89.5	1.42	70-130	25
Methyl-t-Butyl Eth		<0.50	40.0	40.0	28.7	28.6	ug/L	EPA 8260B	1/6/05	71.8	71.6	0.301	70-130	25

Approved By: Joe Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Date: 1/12/2005

QC Report : Laboratory Control Sample (LCS)

Project Name: Indianola Market

Project Number: NC-18

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit		
Benzene	40.0	ug/L	EPA 8260B	1/6/05	98.2	70-130		
Toluene	40.0	ug/L	EPA 8260B	1/6/05	97.1	70-130		
Tert-Butanol	200	ug/L	EPA 8260B	1/6/05	106	70-130		
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/6/05	82.5	70-130		
Benzene	40.0	ug/L	EPA 8260B	1/5/05	94.7	70-130		
Toluene	40.0	ug/L	EPA 8260B	1/5/05	95.2	70-130		
Tert-Butanol	200	ug/L	EPA 8260B	1/5/05	96.4	70-130		
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/5/05	100	70-130		
Benzene	40.0	ug/L	EPA 8260B	1/6/05	95.2	70-130		
Toluene	40.0	ug/L	EPA 8260B	1/6/05	103	70-130		
Tert-Butanol	200	ug/L	EPA 8260B	1/6/05	101	70-130		
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/6/05	85.4	70-130		

Approved By:

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF	
ANALYTICAL LL	c

2795 2nd Street, Suite 300

Davis, CA 95616 Lab: 530.297.4800 Fax: 530.297.4808

Jah No. 41830 Page 1 of 1

Fax:								ax. 530.297.4808									Lab No Page OI																	
Project Contact (Hardcopy or PDF To): Andrew Locicevo					California EDF Report? ✓ Yes □ No									Chain-of-Custody Record and Analysis Request																				
Company/Address: Bu	12 ROCI	LEni	H	nc	Recommended but not mandatory to complete this section: Sampling Company Log Code:														Δr	alv	ele	Re	-	net							TAT			
535 Third St Phone No.:	se io	SEW	eko	1																														
(907) 441-1934	(707)	441-1	949	1	T.0.6.0.2.3.0.0.4.89									(910	-96			(809)	(80B)			82808			W.E.T. (X)									
Project Number:	P.O. No:				EDF Deliverable To (Email Address):										8/W8	- 5		8	X (82	X (82			80		80B	1X				b	슬			
NC-18	Project Name:				Sampler Signature:												9021	3	6	8280	BTE	BTE		-	1,2 E		A 8	TOTAL (X)			12	3	0	
Tudianol	a M	ank	et		Mulissa Richard												TBE ((910)	(MB015)	TBE (1 Ges	I Gas	30B)	2608	CAB	ist)	ns (EF	1				72 hr	b Us	
Project Address: 1769 Myrthe 1	Ave		nplin			Co	ntali		$\overline{}$		_	ative	$\overline{}$		trix		(6)	M/ses	el (ME	8	EXM	8/TP	8/TP	8 (826	es (8	(1,2 D	Full L	carbo	239.2)			48 hr	For Lab Use Only	
Eureka CA					ml VOA	SLEEVE				6		NE NE		TER	SOIL		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH 88 Diesel (M8015) Selica-gd	TPH as Motor	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Ges/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 82608 (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2)				12 hr/24 hr/48 hr/72 hr([wk)	5
Sample Designation	on	Date	T	Time	40	SLE			2	Ž	ICE	NONE		WA	SO		BTE	BTE	TPH	THE	TPH	6	7.09	9	7.0	Lea	EPA	Vola	Leax				12 h	
MW-1		1/4/0	5 1	1,00	4				×		y			×							×												×	01
MW-Z			-	3:00	7				4		1			1					*		1												1	02
mW-3			K	0.00	4									1																				03
mw-4			10	(:,00	4				\parallel																									04
MW-5			14	4100	7				1		1			ψ					*		¥												1	05
Dom-1		1	9	:00:	4				1		V			V							1											-	V	06
									-	-			+																		-	-	F	
Della de de de								1	L							1															1	1	L	
nelisa Rich	Melissa Richard 1/4		Date U D	5	Tin	- 1	Rece			EX									Per	man	x a	00	95	0.	The	tes	p	we	-5	ωe: 2.7	00	sing	1	
				Date	1	Tin	ne	Rece	ived	by:																								
Relinquished by:			+	Date	_	Time Received by Laboratory:						Suica-gel cleanup for M8015																						
	Oloso				1 2 7.16							Fosier City																						
stribution: White - Lab, Pink -	Originator																														-	Forms	loog 1	21001